

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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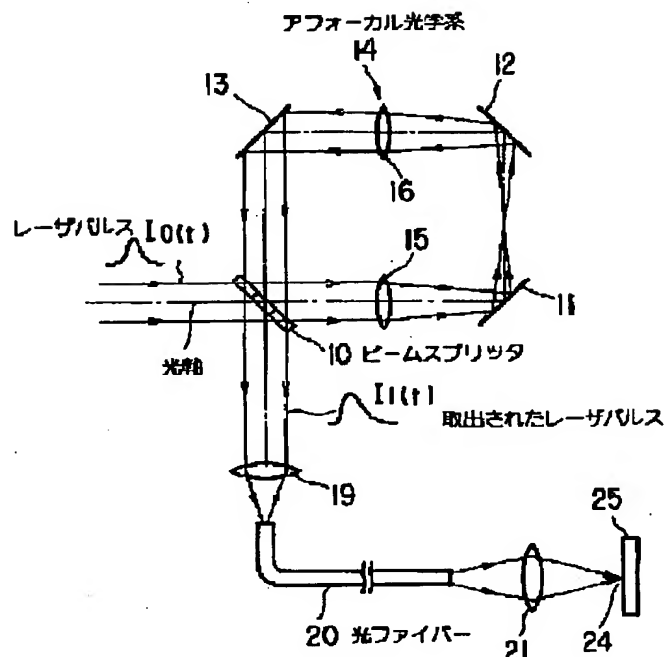
APPLICATION DATE : 25-03-98  
APPLICATION NUMBER : 10077636

APPLICANT : TOSHIBA CORP;

INVENTOR : FUKAZAWA TERUICHIRO;

INT.CL. : B23K 26/06 G02B 27/09

TITLE : OPTICAL PULSE STRETCH DEVICE  
AND LASER DEVICE USING THE  
DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To facilitate adjustment of coinciding optical axes of laser pulse and to expand the degree of freedom for the controllability of a laser pulse waveform.

SOLUTION: In the delay loop formed by each reflection mirror 11-13 and a beam splitter 10, an afocal optical system 14 is arranged using a beam splitter 10 face, which is the branch point and resynthesized point of a laser pulse, as an object face and an image-forming face, and also, two areas with a spatially different reflectance are formed in the beam splitter 10.

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